WHAT IS CLAIMED IS:

1. A process to isolate a neurotrophin homolog from a mixture containing other proteins and variants of that neurotrophin homolog, wherein the process comprises: a) loading the mixture containing onto a hydrophobic interaction chromatography resin; b) eluting the neurotrophin homolog from the resin with an elution buffer under conditions such that the neurotrophin homolog separates from the variant; and c) collecting the neurotrophin homolog.